**Exercise 11.13 – HTML List from a Database Query Result**

* **Developer Defined Functions**
  + **outputGenres() – calls outputSingleGenre()**
  + **outputSingleGenre($row) – calls constructGenreLink()**
  + **constructGenreLink($id, $label)**
* **How to run the program**
  + [**http://localhost/lab11/lab11-exercise13.php**](http://localhost/lab11/lab11-exercise13.php)

<?php

//config.php - lab11-exercise08-mysqli.php

define('DBHOST', 'localhost');

define('DBNAME', 'art');

define('DBUSER', 'testuser');

define('DBPASS', 'secret');

define('DBCONNSTRING','mysql:host=localhost;dbname=art');

?>

//lab11-exercise13.php

<?php

require\_once('config.php');

/\*

Displays a list of genres

\*/

function outputGenres() {

try {

$pdo = new PDO(DBCONNSTRING,DBUSER,DBPASS);

$pdo->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

$sql = 'select GenreId, GenreName, Description from Genres Order By Era';

$result = $pdo->query($sql);

while ($row = $result->fetch()) {

outputSingleGenre($row);

}

$pdo = null;

}

catch (PDOException $e) {

die( $e->getMessage() );

}

}

/\*

Displays a single genre

\*/

function outputSingleGenre($row) {

echo '<div class="col-md-3">';

echo '<div class="thumbnail">';

$img = '<img src="images/art/genres/square-medium/' . $row['GenreId'] .'.jpg">';

echo constructGenreLink($row['GenreId'], $img);

echo '<div class="caption">';

echo '<h4>';

echo constructGenreLink($row['GenreId'], $row['GenreName']);

echo '</h4>';

echo '</div>';

echo '</div>';

echo '</div>';

}

/\*

Constructs a link given the genre id and a label (which could

be a name or even an image tag

\*/

function constructGenreLink($id, $label) {

$link = '<a href="genre.php?id=' . $id . '">';

$link .= $label;

$link .= '</a>';

return $link;

}

?>

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Chapter 11</title>

<!-- Bootstrap core CSS -->

<link href="bootstrap3\_defaultTheme/dist/css/bootstrap.css" rel="stylesheet">

</head>

<body>

<div class="well"><h1>List of Links (pdo)</h1></div>

<div class="container">

<div class="row">

<?php outputGenres(); ?>

</div>

</div>

</body>

</html>

